

Title (en)  
RUN-FLAT TIRE

Title (de)  
NOTLAUFREIFEN

Title (fr)  
PNEUMATIQUE ROULANT À PLAT

Publication  
**EP 2881268 A1 20150610 (EN)**

Application  
**EP 13830487 A 20130625**

Priority  
• JP 2012182648 A 20120821  
• JP 2013067378 W 20130625

Abstract (en)  
It is a run-flat tire 1 provided with a carcass 6 extending from a tread portion 2 through a sidewall portion 3 to a bead core 5 in a bead portion 4, and a side-reinforcement rubber layer 10 disposed inside the carcass 6 in the sidewall portion 3 and having a substantially crescent-shaped cross-section. In a tire meridian cross section including the tire rotational axis under a normal state such that the tire is mounted on a normal rim, inflated to a normal internal pressure and loaded with no load, the tire inner-cavity surface 11 includes a side inner-cavity surface 12. A distance in the tire radial direction of the side inner-cavity surface 12 from a bead toe 4e of the bead portion 4 is in a range of 0.4 times to 0.9 times the length H in the tire radial direction of the tire inner-cavity surface 11. The side inner-cavity surface 12 includes a smooth surface 15 which does not have unevenness, and the total surface area of the smooth surface 15 is more than 90 % of the total area of the side inner-cavity surface 12.

IPC 8 full level  
**B60C 17/00** (2006.01); **B29D 30/12** (2006.01); **B29D 30/20** (2006.01); **B60C 5/14** (2006.01)

CPC (source: EP KR US)  
**B29D 30/12** (2013.01 - EP US); **B60C 3/00** (2013.01 - US); **B60C 5/12** (2013.01 - US); **B60C 9/0207** (2013.01 - KR);  
**B60C 9/023** (2013.01 - EP US); **B60C 13/00** (2013.01 - US); **B60C 15/00** (2013.01 - US); **B60C 15/0018** (2013.01 - EP US);  
**B60C 17/0009** (2013.01 - EP US); **B60C 17/0045** (2013.01 - EP KR US); **B29D 2030/201** (2013.01 - EP US); **B60C 2013/026** (2013.01 - EP US);  
**B60C 2017/0063** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2881268 A1 20150610**; **EP 2881268 A4 20160406**; **EP 2881268 B1 20181219**; CN 104507711 A 20150408; CN 104507711 B 20170222;  
JP 2014040150 A 20140306; JP 5789229 B2 20151007; KR 102079277 B1 20200219; KR 20150046096 A 20150429;  
US 10308082 B2 20190604; US 2015210123 A1 20150730; WO 2014030424 A1 20140227

DOCDB simple family (application)  
**EP 13830487 A 20130625**; CN 201380040014 A 20130625; JP 2012182648 A 20120821; JP 2013067378 W 20130625;  
KR 20157005968 A 20130625; US 201314418788 A 20130625